KARAYEV, Z. Sh.

Reaction of seignides of gallium and a lanthanide (arium and samarium of the type A2^{III}B3^{VI}. G. Kh. Efendiyev, Z. Sh. Karayev, I. O. Nasilov.

Solid solutions in the quasibinary systems Ga2S3-Ga2Te3 and Ga2S3-Ga2Se3. P. G. Rustanov, B. I. Mardakhayev, E. Melikova, M. Alidzhanov, M. Safarov. (Presented by G. Kh. Efendiyev--10 minutes).

Chemical bonding, structure of the energy zones and some properties of G. F. Karavayev (10 minutes).

Report presented at the 3rd National Conference on Semiconductor Compounds, Kishinev, 16-21 Sept 1963

NASIBOV, I.O.; KARAYEV, Z. Sh.

Interaction of the selenides of A 2 and B 3 praseodymium and gallium. Azerb. khim. zhur. no.5:105-111 163 (MIRA 17:8)

<u>1 27193-65</u> BAT(m)/T/EAP(1)/EAP(b)	TJP(c) RDW/JD/JO
1 27193-65 EAT (#971745-0.2) ACCESSION NR: AP5005521	
AUTHOR: Efendiyev, G. Kh.; Karsye	78 Nasibov, 1. 0.
TITLE: Interaction between lantha	num and gillium selenides (Allayi)
SOURCE: Azerbaydzhanskiy khimiche	skiý zhurnal, no. 5, 1964, 103-101
TOPIC TAGS: lanthagum selenide, g system, phase diagram, lanthagum s	allium se lenide, lanthanum gallium selenium elenogaliste, chemical property, electrical
ABSTRACT: Interactions in the Lagentire composition range by therms and by microhardness determination ratios were synthesized at 1000—of the system indicated a partial solutions within the regions up to and 860C, and a compound corresponding appropriate and items powder different regions and solutions within the regions up to an expense and solutions within the regions up to an expense and solutions within the regions up to an expense and solutions within the regions up to an expense and solutions within the regions up to an expense and solutions within the regions of the solutions within the regions up to an expense and solutions within the regions up to an expense and solutions within the regions up to an expense and solutions within the regions up to an expense and solutions within the regions up to an expense and solutions within the regions up to an expense and solutions within the regions up to an expense and solutions within the regions up to an expense and solutions within the regions up to an expense and solutions within the regions up to an expense and solutions within the regions up to an expense and solutions within the regions up to an expense and solutions within the regions up to an expense and solutions within the regions up to an expense and solutions within the regions up to an expense and solutions within the regions are also an expense and solutions within the regions and solutions within the regions are also an expense and solutions within the regions are also an expense and solutions are also as a solution and a solution are also as a solution and a solution are also as a solution and a solution an	Se ₃ -Ga ₂ Se ₃ system have been studied over the it, x-ray, chemical, and micrographic analyses, is. The La ₂ Se ₃ -Ga ₂ Se ₃ alloys in various molecular to a specific analyses of the selection of the selection of the selection of each component, two cutectics at 90 nding to the equimolar La ₂ Se ₃ :Ga ₂ Se ₃ ratio. Che firaction patterns confirmed the formula LaGaSe crohardness was found to be maximum for a compound was found to be stable in vacuum up to it
Cord 1/2	

L 27193-65		0
ACCESSION NR: AP5005521		
reagents, except in HU an ized in an hexagonal syste of the other La ₂ Se ₃ -Ga ₂ Se	ble in the air up to 200C, and HNO3. The lanth num selection. The electrical conductive alloys increased with increased of the forbidden energy gap Orig. art. has: 5 figures a	ty of LaGaSe; and of most asing temperature in the within the system studied
ASSOCIATION: none		() Lump
	ENCL: 00	
ASSOCIATION: none: SURMITTED: 00 NO REF SOV: 003	ENCL: 00 OTHER: 001	SUB CODE: MM,GG
SUBMITTED: 00		
SUBMITTED: 00		
SUBMITTED: 00		

<u>l 19750-65</u> EWT(11)/EWP(1)/EWP(11) IJP(6) RDW/JD/JG

ACCESSION NR: AP4049804 5/03 6/64/000/004/0111/0114

AUTHOR: Elendiyev G. Kh.; Karayev, Z. Sh.; Nasibov, I. C.

TUPLE; Interaction of gallium and neodymium selimides

SOURCE: Azerbaydzhanskiy khimicheskiy zhurnal no. 4, 1964, 111-114

TOPIC TAGS: gallium selenide, neodymium selenide, ternary semiconductor, seienide semiconductor

ABSTRACT: The purpose of this work was a study of the ternary system Nd-Ga-Se along x the cross section Nd₂Se₃-Ga₂Se₃. No data are available in the literature about this system, nithough its components have been studied separately. A series of melts of these components in proportions from 5:1 to 1:5 Nd₂Se₃ (la₂Se₃ were prepared, and aged for components in proportions from 5:1 to 1:5 Nd₂Se₃ (la₂Se₃ were prepared, and aged for components in proportions from 5:1 to 1:5 Nd₂Se₃ (la₂Se₃ were prepared, and aged for components in proportions from 5:1 to 1:5 Nd₂Se₃ (la₂Se₃ were prepared, and aged for components in proportions from 5:1 to 1:5 Nd₂Se₃ (la₂Se₃ were prepared, and aged for compounds: analyses established that in the system Nd₂Se₃-Ga₂Se₃ there are two chemical compounds: analyses established that in the system Nd₂Se₃-Ga₂Se₃ there are two chemical compounds: Nd₂Ga₃Se₇ and Nd₂Ga₃Se₇ 5(II). In addition, limited solid solutions are formed in the areas Nd₂Ga₃Se₃ and Ga₂Se₃. Studies on electrical conductivity, depending on temperature, rich in Nd₂Se₃ and Ga₂Se₃. Studies on electrical conductivity, depending on temperature, showed that at higher temperatures both compounds act as semiconductors, the conductivity showed that at higher temperatures both compounds act as semiconductors, the conductivity increasing with temperature. The widths of the forbidden zones were also determined.

Cord 1/2

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ectron conduction type, who odymium selenogallate at 1 it is 5, 10 ⁻³ ohm ⁻¹ om 1 es and 2 tables.	dle compound II is a hole conductor room temperature is approximate for I and 5.6: 10 ⁻² ohm ⁻¹ cm ⁻¹ to
ENCL: 00	BUB CODE: IC, EC
OTHER: 004	
	it is 5; 10 ⁻³ ohm ¹ om ¹ es and 2 tables. ENCL: 00

CIA-RDP86-00513R000720630009-4

1.25676-65 EMY(m)/EMP(k)/EMP(b) 1.1P(b) RUM/JD/JG

ACCESSION NR: AP4049417 -S/0316/64/000/001/0125/0131

AUTHOR: Mendiyev, G. Kl. | Karavev, Z.Sh. Nagibov, L.O.

TITLE: Interaction of the belenides of samarium and gallium

SOURCE: Azerbaydzhanskiy khimicheskiy zhurnal, no. 1, 1964, 125-131

TOPIC TAG: samarium selenide, gallium selenide, samarium galloselenide, selenide alloy, solid solution

ABSTRACT: The nature of the interaction of Sm_2Se_3 and Ga_2Se_3 was studied, as well as the physico-chemical properties of the resulting products. Alloys of the cross-section Sm_2Se_3 — Ga_3 Se 3 were synthesized from AHI_2BVI_3 selenides of samarium and gallium in evacuated (\sim 0.3 mm) quariz ampoules at 1200–1250C. The homogeneity of the samples was studied by thermal and x-ray analyses and by determination of microscopic hardness, was studied by thermal and x-ray analyses and by determination of microscopic hardness, was studied by thermal and x-ray analyses and by determination of microscopic hardness, a = 10.30 Å and c = 6.25 Å. The volume of the molecule of $SmGaSe_3$ was calculated as a = 10.30 Å and c = 6.25 Å. The volume of the molecule of $SmGaSe_3$ was calculated as 143.4 Å3. $SmGaSe_3$ is stable in a vacuum up to its m.p. It does not dissolve in organic solvents and cold H_2SO_4 ; in hot H_2SO_4 , it dissolves slowly; in HCI and HNO3, it dissolves well with the separation of elementary Se_3 ; it dissolves poorly in alkali. The selenides form

Cord 1/3

ц 25676-65		0	
ACCESSION NR: AP4049427			
limited solid solutions in the are listed in Table 1 of the l	region rich in Sm ₂ Se ₃ and (Siclosure. Orig. art. has:	ia Se3. Some of their properties 4 tables and 5 figures.	
ASSOCIATION: None			
SUBMITTED: 00	ENCL; 01	SUB CODE: 10,60	
NO REF SOY: 005	OTHER: 005		
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EFENDIYEV, G.Kh.; KARAYEV, Z.Sh.; NASTROV, I.O.

Interaction of the seleniace at p3 of neodymium and gallium.

Azerb. khim.zhur. no.4:111-114 '64. (MIRA 18:3)

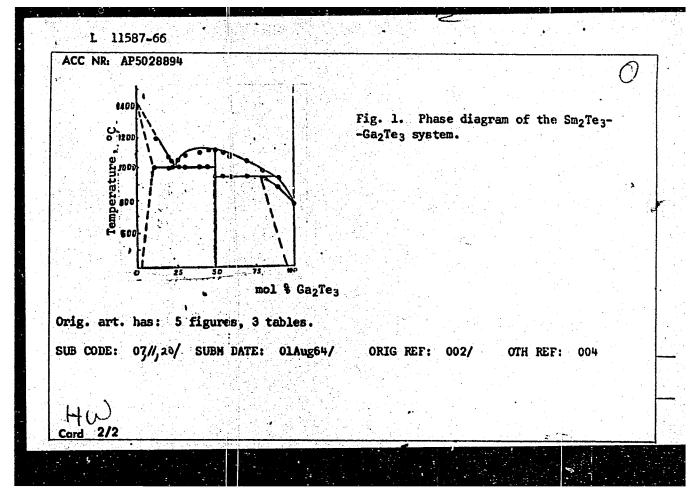
EFENDIYEV, G.Kh.; KARAYEV, Z.Sh.; NASIBOV, I.O.

Interaction of AIII2BVI3 type cerium and gallium selenides. Izv. AN SSSR. Ser. fiz. 28 no.6:1103-1106 Je '64.

(MIRA 1787)

1. Institut khimii AN Azerbaydzhanskoy SSR.

EWT(m)/ETC(F)/EWG(m)/EWP(t)/EWP(b) IJP(c) RDW/JD/JG L 11587-66 SOURCE CODE: UR/0316/65/000/004/0110/0115 ACC NR: AP5028894 AUTHOR: Karayev, Z. Sh.; Gadymov, A. H.; Hurguzov, H. I. ORG: Institute of Chemistry, AN AzerbSSR (Institut khimii AN AzerbSSR) Interaction between A2 III B3 tellurides of samarium and gallium Azerbaydzhanskiy khimicheskiy zhurnal, no. 4, 1965, 110-115 TOPIC TAGS: tellurium, samarium, gallium, phase diagram, phase transition, tellurium alloy, samarium alloy, gallium alloy, semiconductivity, aemiconductor, material ABSTRACT: The object of the study was to synthesize new chemical compounds and alloys and to learn about their properties. Sm2Te3-Ga2Te3 alloys were prepared by fusing mixtures of Ga₂Te₃ with metallic Te and Sm in quartz ampoules at 1000-1180°C and 1.10⁻³ mm Hg. Sm₂Te₃ was homogenized for 380 hours at 400°C and 10⁻³ mm Hg in ratios of 5:1, 4:1, 3:1, 2:1, 1:1. The phase diagram of the Sm2Te3-Ga2Te3 system is shown in fig. 1. A new chemical compound of samarium-gallium-tellurium was found: its formula is SmGaTe3. The existence of a limited solid solution in the Ga2Te3-Sm2Te3 system was established. It was also found that alloys and compounds of the Sm2Te3-Ga2Te3 sys tem are semiconductors. Card 1/2



I: 31553-66

ACC NR: AP6005113

SOURCE CODE: UR/0316/65/000/005/0082/0085

AUTHOR: Gasanov, B. G.; Ibragimov, N. Yu.; Karayev, Z. Sh.; Nasibov, I. O.

タショ

ORG: Institute of Inorganic and Physical Chemistry, AN Azerb. SSR (Institut neorganicheskoy i fizicheskoy khimii AN Azerb. SSR)

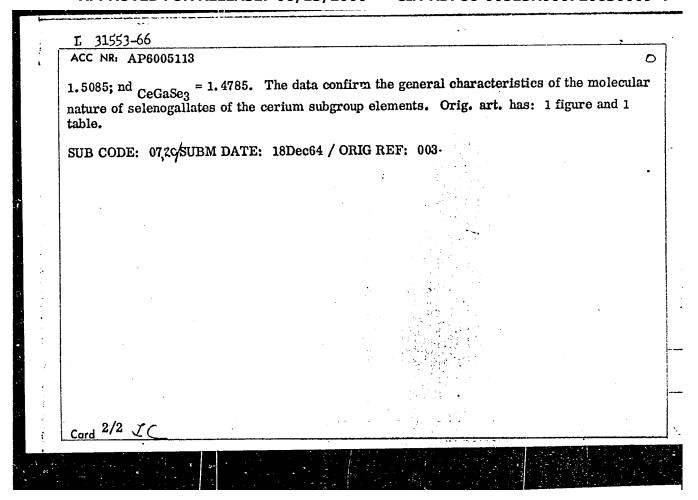
TITLE: Infrared absorption spectra of selenogallates MeGaSe3 of certain lanthanides

SOURCE: Azerbaydzhanskiy khimicheskiy zhurnal, no. 5, 1965, 82-85

TOPIC TAGS: selenium compound, gallium compound, lanthanum compound, praseodymium compound, neodymium compound, samarium compound, cerium compound, infrared spectrum, refractive index, x ray diffraction

ABSTRACT: An attempt was made to establish general relationships between the optical properties and composition of the compounds LaGaSe3, CeGaSe3, PrGaSe3, NdGaSe3, and SmGaSe3. An IKS-14 infrared spectrograph and MIN-8 polarizing microscope were used. All the IR absorption spectra of these compounds were found to be basically similar, and not very different from the IR spectra of the corresponding selenides. This shows that the selenogallates studied are analogous in character. These results are in agreement with the reported results of thermographic, x-ray diffraction, and chemical analyses. Microscopic examination showed the selenogallates to be nontransparent, i.e., no pleochroism or extinction was observed. The refractive indices of the compounds were measured and found to be the same,

Card 1/2



JD/JG EWT(m)/EWP(t)/ETI IJP(c) L 46142-66 SOURCE CODE: UR/0316/66/000/001/01.12/0115 AP6025826 ACC NRI

AUTHOR: Karayev, Z. Sh.; Keyserukhskaya, L. G.; Aliyeva, Sh. A.; Gadymov, A. M.

ORG: Institute of Inorganic and Physical Chemistry, Academy of Sciences AzerbSSR (In-m neorgan. i fiz. khimii AN AzerbSSR)

TITLE: Synthesis and study of yttrium sulfogallate, YGaS3, and yttrium sulfoindate, 27 27 YInS₃

SOURCE: Azerbaydzhanskiy khimicheskiy zhurnal, no. 1, 1966, 112-115

TOPIC TAGS: yttrium, indium, gallium compound, sulfur compound

ABSTRACT: Yttrium sulfogallate, YGaS3, and yttrium sulfoindate, YInS3, were synthesized and their crystallographic structures, elemental composition, stabilities, and electrical conductivities were examined. The work is part of an extensive program, presently being carried out at the Institute of Inorganic and Physical Chemistry, Academy of Sciences AzerbSSR, aimed at finding new types of semiconductors. The YGaS3 and YInS3 were prepared by fusing mixtures of the elements in stoichiometric ratios in sealed quartz ampoules evacuated to 1.10 mm Hg. Initially, half of an ampoule was slowly heated in a furnace to 1000°C while the other half, outside the furnace, was cooled with water. Then, the whole ampoule was placed inside the furnace and held there for 2 hrs at 1250°C. It was found that YGaS3 has a hexagonal crystal lattice.

Card 1/2

L 46109-66 EWT(m)/EWP(t)/ETI IJP(c) JD/JG

ACC NR: AP6023927

SOURCE CODE: UR/0363/66/002/007/1322/1323

AUTHOR: Karayev, Z. Sh.; Nasibov, I. O.; Aliyeva, Sh. A.

ORG: Institute of Chemistry, Academy of Sciences, AzerbSSR (Institut khimii Akademii nauk AzerbSSR)

TITIE: Synthesis and study of sulfogallates of certain lanthanides

SOURCE: AN SSSR. Izv. Neorg materialy, v. 2, no. 7, 1966, 1322-1323

TOPIC TAGS: gallium compound, sulfur compound, lanthanum compound, cerium compound, praseodymium compound, neodymium compound, samarium compound

ABSTRACT: The object of the work was to synthesize sulfogallates of lanthanum, cerium, praseodymium, neodymium, and to study certain properties of these compounds. The synthesis was accomplished by directly reacting stoichiometric amounts of the elements. X-ray diffraction analysis showed that all the sulfogallates of the cerium subgroup elements are isostructural. Their lattice constant a varies linearly with the radius of the lanthanides, whereas constant c undergoes little change. The molecular volumes of the sulfogallates studied are close to the arithmetical mean of molecular volumes of the corresponding sulfides (In₂S₃ and Ga₂S₃), suggesting the following equation for the reaction of formation:

 $In_2S_3 + Ga_2S_3 \rightarrow 2InGaS_3$.

Card 1/2

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L 46109- ACC NR:		3927		traff der der Elle der som bestammt ble som Filter auch en bereiten.				
36 V gave strong aci	value .ds, b	activity measures close to a out are stables.	$10-9 \text{ ohm}^{-1}$	cm ⁻¹ . The	sulfog	allates re	adily react	oltage of with ced alkalis.
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Card 2/2	<u> </u>)				***	• • • • • • • • • • • • • • • • • • • •	

KARAYEVA, A.M., assistent

1

Treatment of cracked nipples as revealed by data from the obstetricial clinic of the Andizhan Medical Institute. Med. zhur. Uzb. no. 2:12-13 F '61. (MIRA 14:2)

1. Iz kafedry akusherstva i ginekologii (zav. - kand.med.nauk Š.A. Adintsova) Andighanskogo gosudarstvennogo meditsinskogo instituta.

(BREAST-DISEASES)

KARAYEVA, F.

Vagosympathetic cervical novocaine block in esophageal and cardial cancers as a method of control of syndrome of dysphagia. Trudy AMN SSSR 21 no.5:7-12 '52. (MIRa 10:8)

(PROCAINE, therapeutic use, dysphagia in cancer of cardia & esophagus, cervical nerve block)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720630009-4"

cardia & esophagus)

GAFTEROV, M.; MAILYEV, L.; KIP-LEVA, G; VEYMINAROV, B; KLASS STATEV, K.; KHALLSYSET, P; MADOV, 7.

In the land of sands and creation Voca man. . 1 to 0:26-18 F 165.

1. Predsedatel' Soveta Ministrev Turkmenskey bol (for Gapurev).
2. Predsedatel' sel'skokheryaystvennoy arteli 'Sovet Trukmenistana' (for Sopiyev).
3. Predsedatel' Leninskogo ispolnitel'ne jo komiteta rayonnogo Soveta deputatov trudynahehikhaya Ashkhabada (for Karayeva).
4. Nachal'nik Ashkhabadskoy shkoly grandanskoy oborony Vsesoyumogo obshelestva sedeystviya armii, aviataii i flotu SSSR (for Avanmadov).
4. Nachal'nik Ashkhabadskikh harsov grandanskoy oborony (for Klycharadev).
5. Nachal'nik Ashkhabadskikh harsov grandanskoy oborony (for Klycharadev).
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8. Harson ashkabadskikh harsov grandanskoy oborony (for State).
8. Nachal'nik ashkhabadskikh harsov grandanskoy oborony (for Klychasadav).
8. Nachal'nik ashkhabadskoy oborony (for State).

USSR/Numn and Amiral Physiology, Hervous System, General Problems.

T

Abs Jour: Ref Zhur-Diol., No 20, 1958, 93539.

Author : Karayeva Ka. I.

List : Azerbaydzhan Scientific Research Institute for Blood Trans-

fusion.

Mittle : Clinical and Experimental-Research Material on

Polyneuritis of America Origin.

Orig Pub: So. Mauchn. tr. Azerb. n.-i. in-ta perchavardya krovi, 1957,

vyp. 3, 118-124.

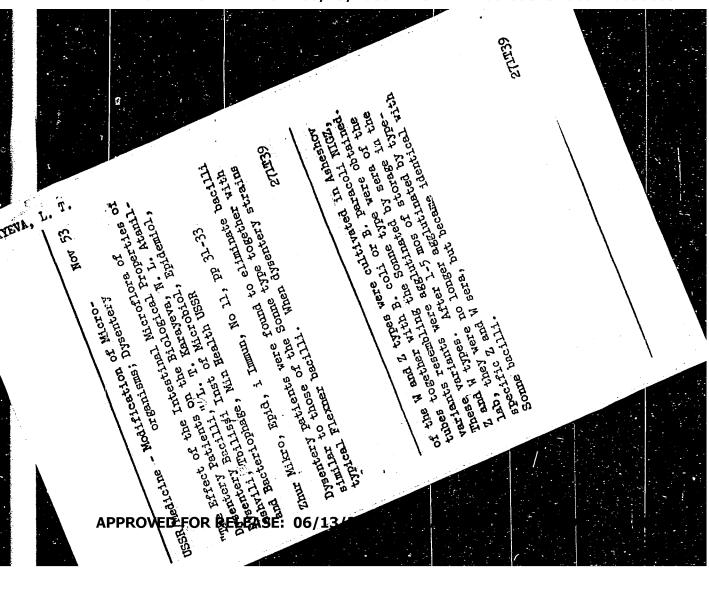
Abstract: Dasing his paper on the chinical study of 20 cases of

anomia accompanied by symptons of polyneuritis (P) and on experiments with 27 rabbits which had atomic, induced artificially by repeated blood-letting, the author distinguished anomic polyneuritis (AP) as the basic form

Card : 1/2

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720630009-4



LEBEDEV, Ye.M.; PERMITIN, Yu.Ye.; KARAYEVA, N.I.

Fouling of plates in the Black Sea. Trudy Inst. okean. 70: 270-275 '63. (MIRA 17:7)

KARAYEVA, N. I.

Bilogoy of benthic diatoms in the western shore area of the Caspian Sea. Bot. shur. 45 no.5:767-770 My '60.

(MIRA 13:7)

1. Botanicheskiy institut im. V.L. Komarova Akademii nauk Azerbaydzhanskoy SSR, Baku. (Caspian Sea-Diatoms)

BARANOV, G.P., kand.med.nauk; KLYUCHIKOV, V.N., dotsent; KARAYEVA, N.I.; LILEYEVA, Z.V., dotsent

Clinical aspects of chronic intoxication with nitrile acrylic acid.

Vrach.delo no.8:833-835 Ag '59. (MIRA 12:12)

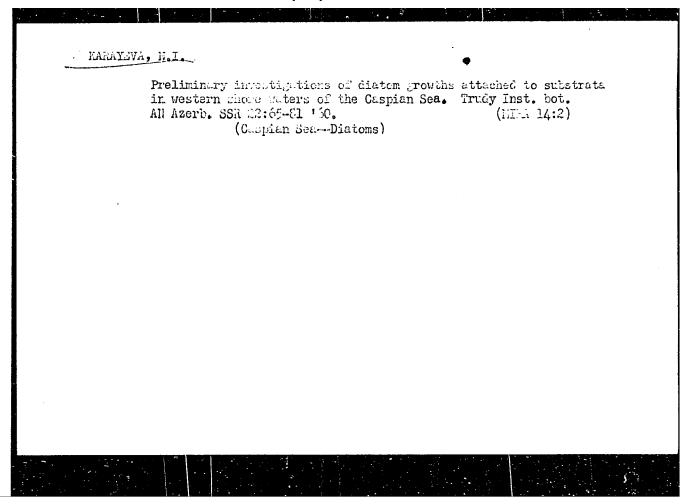
1. Kafedra obshchey giginy, fakul tativnoy terapii, nevropatologii, oto-rino-laringologii Yaroslavskogo meditsinskogo instituta.

(ACRYLONITRILE--TOXICOLOGY)

KARAYEVA, N.I., assistent

Occurrence of chronic tonsillitis in children with chronic pneumonia and the effect of the treatment of tensillitis on the course of pneumonia. Sbor. nauch. trud. lvnn. gor. med. inst. no. 28:35-39 * 63 (MIRA 19:1)

1. Iz kafedry otolaringologii (av. kafedroy - do' - ' Yu.K.Ko-rotkova) i kafedry detskikh bolezney (zav. kafedroy - prof. A.I. Titova) Yaroslavskogo gosudarstvennego meditsinskego instituta (rektor - prof. N. Ye. Yarygin).



KARAYEVA, N. I.

Cand Biol Sci - (diss) "Bottom-living diatomic algae of the western right bank of the Caspian Sea." Baku, Pub. Academy of Sciences Azerbaydzhan SSR, 1961. 20 pp; (Ministry of Higher and Secondary Specialist Education Ukrainian SSR, Khar'kov Order of Labor Red Banner State Univ imeni A. M. Gor'kiy); 200 copies; free; (KL, 6-61 sup, 207)

KARAYEVA, N.I.

Fouling diatoms near the western shore of the Caspian Sea. Trucy Inst. okean. 49:108-117 '61. (MIRA 15:1) (Caspian Sea--Marine fouling) (Diatoms)

KARAYEVA, N.I.

Origin of benthic diatom algae of the Caspian Sea. Izv. AN Azerb.
SSR. Ser. biol. i med. nauk no.3:19-23 '63. (MIRA 16:6)
(Caspian Sea-Diatoms)

KARAYEVA, N.I.

New diatom algae in the Caspian Sea. Izv. AN Azerb. SSSR. Ser. biol. i med. nauk no. 6:15-22 163. (MIRA 17:5)

KARAYEVA, N.I.; ARBUZOVA, K.S.

Materials on the diatoms of fouling on the eastern coast of the Caspian Sea; preliminary report. Trudy Inst. okean. 70:29-40 '63. (MIRA 17:7)

SHIKHIYEV, I.A.; ALIYEV, M.I.; KARAYEVA, Sh.V.

Synthesis and conversion of tertiary y -acotylenic alcohols containing silicon. Dokl.AN Azerb.SSR 15 no.12:1111-1113 159. (MIRA 13:4)

1. Institut neftekhimicheskikh protsessov AN AzerSSR. Predstavleno akademikom AN AzerSSR M.F.Nagiyevym.
(Alcohols)

\$/079/60/030/009/005/015 B001/B064

2209. 5.3700

Shikhiyev, I. A., Aliyev, M. I., Aslanov, I. A.,

Karayeva, Sh. V.

TITLE:

AUTHORS:

Investigations in the Field of the Synthesis and Conversion of Unsaturated Organosilicon Compounds. VII. Synthesis and Properties of Some Secondary and Tertiary γ-Silicon-con-

taining Acetylene Alcohols

PERIODICAL:

Zhurnal obshchey khimii, 1960, Vol. 30, No. 9,

pp. 2916-2919

TEXT: In the present paper (Ref. 1), the authors describe a method of synthesizing mono-, bi-, and trivalent γ-silicon-containing tertiary alcohols of the acetylene series. The present investigation deals with the synthesis of some representatives of the γ -silicon-containing secondary and tertiary acetylene alcohols by allowing the respective organomagnesium compound of the acetylene series to react with trialkyl chlorosilanes. The presence of the hydroxyl group in the γ-silicon-containing acetylene alcohols was confirmed by acetylation (Ref. 2) by the scheme given (details Card 1/3

CIA-RDP86-00513R000720630009-4" **APPROVED FOR RELEASE: 06/13/2000**

Investigations in the Field of the Synthesis and Conversion of Unsaturated Organosilicon Compounds. VII. Synthesis and Properties of Some Secondary and Tertiary γ-Siliconcontaining Acetylene Alcohols

S/079/60/030/009/005/015 B001/B064

in the experimental part). The following y-silicon-containing acetylene alcohols were described: 1-trimethyl silyl-3-methyl pentin-1-ol-3;, 1-dimethyl ethyl silyl-3-methyl pentin-1-ol-3; 1-trimethyl silyl pentin-1-ol-3; 1-trimethyl silyl-3-methyl hexine-1-methyl-5-ol-3; 1-trimethyl silyl-3-methyl heptin-1-ol-3; 1-tri-methyl silyl hexin-1-ol-3; 1-triethyl silyl-3-methyl heptin-1-ol-3; 1-tri-methyl silyl hexin-1-ol-3. The presence of a hydroxyl group in the alcohols obtained was confirmed by the following silicon-containing acetals syn-thesized from them: n-butyl trimethyl silyl methyl pentine-, n-butyl triethyl silyl methyl pentine-, n-butyl trimethyl silyl methyl pentine-, n-butyl trimethyl silyl dimethyl hexine-, n-butyl trimethyl silyl methyl heptine-, and n-butyl trimethyl silyl hexine acetal. The alcohols and acetals obtained are given together with their constants in a table. There are 1 table and 2 Soviet references.

ASSOCIATION:

Institut neftekhimicheskikh protsessov Akademii nauk Azerbaydzhanskoy SSR (Institute of Petroleum-chemical Processes of the Academy of Sciences Azerbaydzhanskaya SSR)

Card 2/3

Investigations in the Field of the Synthesis and Conversion of Unsaturated Organosilicon Compounds. VII. Synthesis and Properties of Some Secondary and Tertiary γ-Siliconcontaining Acetylene Alcohols

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SUBMITTED:

September 21, 1959

Card 3/3

5/081/62/000/016/011/043 B168/B186

Shikhiyev, I. A., Aliyev, M. I., Guseyn-Zade, B. Kh., AUTHORS:

Karayeva, Sh. V.

Synthesis of acetylene alcohols containing y-silicohydride TITLE:

and their dehydrocondensation by dimethylphenylsilanol

Referativnyy zhurnal. Khimiya, no. 16, 1962, 235, abstract 16Zh271 (Azerb. khim. zh., no. 3, 1961, 67-70 [summary in PERIODICAL:

Azerb.])

TEXT: Production of RR'C(OH)C = CSiHR2" (I, where R = CH3, C2H5; $R' = CH_3$, $C_2^H_5$, tert- $C_4^H_9$; $R'' = CH_3$, $C_2^H_5$) by the reaction of RR'C(OMgBr)C = CMgBr with R2"SiHCl (II) is described. The reaction of I with $C_6^{H_5}(CH_3)_2$ SiOH (III) produces RR'C(OH)C = $CSi(R_2")OSi(CH_3)_2C_6^{H_5}$ (IV) with liberation of H2. The presence of an OH group in I is proved by acetalization and by the fact that the corresponding siloxy derivatives are

Card 1/3

CIA-RDP86-00513R000720630009-4" **APPROVED FOR RELEASE: 06/13/2000**

s/081/62/000/016/011/043 B168/B186

Synthesis of acetylene alcohols...

produced in accordance with the formula: I + CH₂ = CHOC₄H₉(V)

CH₃CH(OC₄H₉)OC(RR')C = CSiHR₂" (VI). 0.2 mole II (R₂" = CH₃ and C₂H₅)
is gradually added, during cooling, to lotsich's reagent (consisting of
0.4 mole C₂H₅Br, 0.4 mole Mg and 0.2 mole methyl-tert-butylacetylenylcarbinol); after 12 hr this mixture is heated for 6 hr, after 4 hr (20°C)
it is decomposed with dilute HCl and I (R'= CH₃, R' = tert-C₄H₉,

R₂" = CH₃ and C₂H₅) (Ia) (here and henceforth yield in %, boiling point in
cC/mm, n²OD, d₄ will be given for isolated substances), 26.3, 69/2,
1.4603, 0.8768, is isolated from the ester layer. 0.01 g ZnCl₂ is added to
a mixture of 0.05 mole Ia and 0.05 mole IXI in C₆H₆; when evolution of H₂
has ceased the C₆H₆ is driven off and IV (R = CH₃, R' = tert-C₄H₉,

R₂" = CH₃ and C₂H₅), 21.55, 106/0.18, 1.5124, 0.9842, is isolated from the
residue. 0.2 ml 35 % HCl is added to a mixture of 0.03 mole I
(R = R' = CH₃, R₂" = CH₃ and C₂H₅) and 0.03 mole V; this is heated for
Card 2/3

Synthesis of acetylene alcohols...

S/081/62/000/016/011/043 B168/B186

30 min at 70° C and neutralized after 12 hr with calcined K_2 CO₃, and VI (R = R' = CH₃, R₂" = CH₃, C₂H₅), 26.04, 119/4, 1.4422, 0.8725, is isolated from it. Other representatives of this class of compound are produced in a similar manner. [Abstracter's note: Complete translation.]

Card 3/3

KARAYEVA, V.Sh., assistent

Click beetles in hemp fields. Uch. zap. Kab.-Balk. gos. un. no.12:167-169 '62. (MIRA 16:6)

1. Kafedra zoologii Kabardino-Balkarskogo gosudarstvennogo universiteta.
(Hemp-Diseases and pests) (Wireworms)

KARAYEVA, V.Sh., assistent

Some data on predatory insects in the biocenose of hemp. Uch. zap. Kab.-Balk. gos. un. no.12:171-172 '62.

(MIRA 16:6)

1. Kafedra zoologii Kabardino-Balkarskogo gosudarstvennogo universiteta.

(Kabardino-Balkar A. S. S. R. - Hemp-Diseases and pests)

(Kabardino-Balkar A.S.S.R. Insects, Injurious and beneficial Biological control)

KARAYEVA, V.Sh.

Presowing treatment of hemp seed; preliminary report. Uch.zap. Kab.-Balk. gos. un. no.14:112-115'62. (MIRA 16:6) (TEREK DISTRICT—HEMP—DISEASES AND PESTS) (INSECTICIDES)

KARAYEVA, V.S.

Microhardness of the grain of durum and soft wheat of the Azerbaijan S.S.R. Dokl. AN Azerb. SSR 21 no.4:58-60 165.

(MIRA 18:7)

1. Institut genetiki i selektsii AN AzerSSR.

KARAYEVA, V.S.

Bread and macaroni producing properties of durum winter wheat of the Azerbaijan S.S.R. Dokl. AN Azerb. SSR 21 no.5:78-81 '65.

(MIRA 18:9)

1. Institut genetiki i selektsii AN AzerSSR.

132-58-6-5/13

AUTHORS:

Karayeva, Z.G. and Chesnokov, O. F. TATE OF THE REAL PROPERTY.

TITLE:

Experience in the Use of Spectro-Metallometric Surveying in Prospecting for Deposits of Pegmatites Containing Rare Metals in Covered Regions (Opyt primeneniya spektrometallometricheskoy s"yemki pri poiskakh mestorozhdeniy redkometal'nykh pegmatitov v zakrytykh rayonakh)

PERIODICAL: Razvedka i Okhrana Nedr, 1958, Nr 6, pp 32-36 (USSR)

ABSTRACT:

Prospecting operations to locate mineral deposits in wood regions are very often difficult. The best way to prospect such regions is to use the metallometric survey together Schlich (Shlikh) assaying and electric prospecting. All these operations were conducted in the same section of the region: metallometric and schlicht samples were taken from the same prospecting hole and an electro-prospecting survey was conducted on the same profiles. The results of all operations were fixed on the map. The deposit contained various rare minerals and, as most of them has a very low migrational capability, beryllium and lithium were chosen as elementindicators. The spectral analysis showed that the contents of lithium varied from 0.002 to 0.005% and the contents of

Card 1/2

132-58-6-5/13 Experience in the Use of Spectro-Metallometric Surveying in Prospecting for Deposits of Pegmatites Containing Rare Metals in Covered Regions

> beryllium - 0,001 to 0,002%. Detailed metallometric sampling and schlicht assaying was done and marked on the map, which showed the complete concordance of all three findings. The authors describe the spectral analysis of the metallometric samples, in which the visual method of determination of lithium was found to be the best for quantitative analysis. There is 1 map and 6 Soviet references.

ASSOCIATION: VIMS and Sibgeofiztrest

AVAILABLE: Library of Congress

Card 2/2 1. Geology 2. Surveying-Operation 3. Geophysical prospecting

KARAYEVA, Z.M.

Treatment of fungus diseases of the scalp with 20% acetic acid. Vest. vener., Moskva no.3:17-18 May-June 1953. (CLML 25:1)

1. Of the Belorussian Skin-Venereological Institute (Director -- Prof. A. Ya. Prokopchuk).

KARAYEVA, Z.S.

Ash composition of some plants in the Het-Pak-Dala Desert. (MIRA 16:3) Pochvovedenie no.3:94-104 Mr 163.

1. Pochvennyy institut imeni V.V.Dokuchayeva. (Bet Pak-Dala-Plants-Chemical analysis)

CIA-RDP86-00513R000720630009-4" APPROVED FOR RELEASE: 06/13/2000

SOKOLOV, I.A.; KARAYEVA, Z.S.

Migration of humas and some elements in the profile of vulcanic fores soils in Kamchatka. Pochvovedenie no.5:12-21 My '65. (MIRA 18:5)

1. Pochvennyy Institut imeni Dokuchnyeva, Moskva.

FRIDLAND, V. M.; KARAYEVA, Z. S.

Origin of acid salinized soils. Pochvovedenie no.7:77-81 (MIRA 15:10)

1. Pochvennyy institut imeni V. V. Dokuchayeva.

(Vietnam, North-Saline and alkali soils)

KARA-ZADE, T.K.; ABLAYEV, E.M.

Blood transfusion in amyloidosis of the internal organs. Med. zhur. Uzb. no.10:70-71 0.'60. (MIRA 13:12)

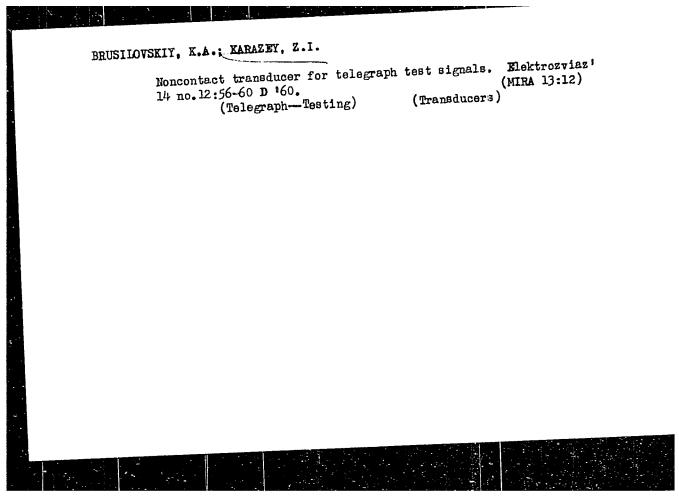
1. Iz Samarkandskogo gorodskogo tuberkuleznogo dizpansera. (BLOOD—TRANSFUSION) (AMYLOIDOSIS)

NEKHAYCHIK, N.; KARAZANOVA, Ya., BELAYA, V.

Prevention of diphtheria. Zdrav. Belor. 6 no. 5:54 My '60. (MIRA 13:10)

(BEREZINA DISTRICT—DIPHTHERIA)

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720630009-4



IVANOV, B.I.; SHARONOVA, N.F.; KUZ'MINA, N.A.; KARAZEYEVA, L.N.

Purifying the industrial waste waters of vinyl acetate and the polymers based on it. Trudy VNII' no.12:270-289 '63.

(MIRA 18:11)

BREYEV, K.A.; KARAZEYEVA, Z.P.

Material on the biology of the warble fly Oedemagana tarandi L. Paraz. sbor. 14:95-102 '52. (MLRA 6:6)

(Warble flies)

(Parasites--Reindeer)

KARAZEYEVA,Z.F. BREYEV, K.A.; KARAZEYBVA, Z.P. Materials on the biology of the deer bot Oedemagena tarandi L. of the reindeer. Paras.sbor. 15:410-424 '53. (MLRA 7:5) (Parasites--Reindeer) (Warble flies)

KARAZ EYEYA, : Zooparasitology. Acarids and Insects as Vectors : USSR COUNTRY CATIONCRY of Disease. Insects AES. JOUR. : EZhBiol., No. 4 1959, No. 15050 : Breyev, E. A.; Karazeyeva, Z. F. AUTHOR : Data on the Biology of the Reindoor Fly Oedema-INST. gena tarandi L: III. Observations upon Pupas and TITLE Adult Reindeer Flies : Parazitol. sb., 1957, 17, 199-228 ORIG. PUB. : Experiments on the survival of pupae on different soils permit to recommend the pasturing of rein-ABSTRACT deer (R) in the period of the messive felling out of larvae in low marshy places, and to provide rest for R in sections with firm ground without vegetative cover. Out of 1,580 reindeer flies caught in nature, only 0.8% males were found. In the laboratory a case of twofold copulation 1/4 CARD:

ARS. JOHR. : HEBERCL., No. 14 1959, No. 15050

AUTHOR INST. TITLE

ORIG. PUB. :

: of one pair of reindeer flies was observed. Flight in European tundras occurs from the end of June or the beginning of July until the beginning of September. The flight may take place
at the temperature of not less than 7.4 in surmy
at the temperature of not less than 13° in cloudy weather. ARSTYACT cont'd In summy weather, the attack of females (F) causes great unrest of R; at the same time, F succoed in laying only an insignificant part of their eggs. In cloudy weather, when R lies down

2/4

GUNTIN C TERRET

CARD:

ABS. JOUR. : RZhBiol., No. 4 1959, No. 15050

G

ACC NR: AP7007210

(A)

SOURCE CODE: UR/0031/66/000/012/0045/0048

AUTHOR: Baykonurov, O. A. Ibrayev, Sh. I.; Vinokurov, L. V.; Karazhanov, D.

ORG: none

TITLE: Method of determining the relative power of various explosives in simulating an explosion

SOURCE: AN KazSSR. Vestnik, no. 12, 1966, 45-48

TOPIC TAGS: chemical explosion, underground explosion, explosive charge

ABSTRACT: In present-day experimental studies on models made of synthetic material, efforts are made to determine the qualitative characteristics of the destruction of rocks by explosions. On the basis of the mechanical characteristics of the equivalent material employed, the explosive commonly used in laboratory explosions consists of 16% mercury fulminate, 55.5% potassium chlorate and 28.5% antimony. An attempt was made to determine the power of this explosive mixture relative to industrial explosives. This was done as follows: first, by measuring the seismic vibrations, a certain fraction of energy was determined for the explosive studied and for an industrial explosive (1 g Tetryl + 0.5 g mercury fulminate, a mixture used in the ED-8-56 electric detonator), whose energy was determined from existing formulas. The comparison method was then employed. This involved measuring the seismic vibrations from the explosive whose energy was known, then the vibrations from the explosive

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ACC NR: AP7007210

whose energy was unknown. Finally, the energy of the seismic wave was calculated for maximum values (obtained from oscillograms) of both explosions, and the ratio of these energies was taken. It was found that the explosive composition used for laboratory tests is 20.5 times weaker than the mixture used in the ED-8-56 electric detonator, and 10-12 times weaker than ordinary underground ammonites (No. 6, 7, etc.). Orig. art. has: 2 figures, 1 table and 8 formulas.

SUB CODE: 19/ SUBM DATE: none

Card 2/2

BAYKOHURGY, O.A.; KOVRICO, A.F.; KARAZHAROV, D.D. Simulation in studying blasthole drilling in the Dmiezkergan mines. Vest. AN Kacakh. SSR 20 no.12:41-30 D 164

KARAZHANOV, N.A. (Gur'yev)

Flow method of dissolving nonfixed crystals. Zhur, fiz, khim, 38 no.4:921-926 Ap 164. (MIRA 17:6)

1. Institut khimii nefti i prirodnykh soley AN KazSSR.

KARAZHANOV, N.A.

Determination of the solubility of inyoite in solutions of salts by the kinetic method. Izv. AN Kazakh. SSR. Ser. khim. nauk 14 no.1:34-40 Ja-Mr '64. (MIRA 18:3)

KARAZHANOV, N. A. Cand Chem Sci -- (diss) "Kinetics of the solutions of calcium and magnesium sulfates." Alma-Ata, 1959. 14 pp (Kazakh State Univ im S. M. Kirov), 100 copies (KL, 59-59, 124)

-5-

KARAZIK, G.Ya.

Existence of periodic solutions to a system of differential equations with retarded argument. Sib. mat. zhur. 2 no.4: 551-555 Jl-Ag 161. (MIRA 14:9) (Differential equations)

KARAZIN, A.A.; KRYSHCHENKO, I.F.

Hoscow city veterinary health station. Veterinaria 33 no.9:56-60 (MLRA 9:10)

1.Zamestitel' zaveduyushchege Geredskim veterinarnym etdelem Mesgerispolkema (fer Karazin). 2.Direkter Meskevskey geredskey veterinarnesanitarney stantsii (fer Kryshchenke). (Hescew--Veterinary hygiene)

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720630009-4

KARAZIN, AA.

PUGOVEINA, A.A.; EARAZIN

Organization of milk and milk product sanitation control in Moscow markets. Veterinariia 34 no.9:73-75 S '57. (MLRA 10:9)

1. Starshly vetvrach vetotdels Mosgorispolkoma (for Pugovkinn).
2. Zamestitel' zaveduyushchego vetotdelom Mosgorispolkoma (for Earazin).

(Moscow--Dairy products--Analysis and examination)

"APPROVED FOR RELEASE: 06/13/2000 CIA-

CIA-RDP86-00513R000720630009-4

ACC NR: AP6021428

SOURCE CODE: UR/0413/66/000/011/0029/0029

INVENTOR: Karazin, I. V.

ORG: none

TITLE: Optical-mechanical converter of an optical image into an electrical signal. Class 21, No. 182190

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 11, 1966, 29

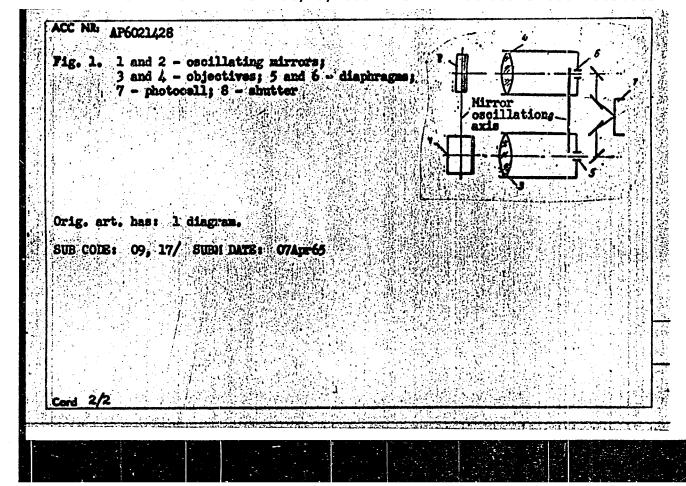
TOPIC TAGS: optic image, image converter

ABSTRACT: This Author Certificate presents an optical-mechanical converter of an optical image to an electric signal, having an oscillating mirror, an objective, a diaphragm, and a photocell. To increase the scanning rate, the converter contains two parallel scanning systems, each consisting of an oscillating mirror, an objective, a diaphragm in the objective focal plane, and a moving shutter (see Fig. 1). The shutter alternately passes the light beam proceeding from each of the two systems onto the photoelectric cell. The systems operate from the phase shift in a half-period.

Card 1/2

UDC: 621.383.8

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720630009-4



Bonch-Bruyevich, A.M., Karazin, I.V., Molchanov, V.A., AUTHORS:

and Shirokov, V.I.

An Experimental Model of a Phase Fluorometer TITLE:

(Eksperimental'nyy obrazets fazovogo fluorometra)

PERIODICAL: Pribory i tekhnika eksperimenta, 1959, Nr 2, pp 53-56

(USSR)

ABSTRACT: This paper was read at the VI Conference on luminescence

The instrument was exhibited at the in Leningrad. A finalized laboratory Brussels Exhibition in 1958. model of a new phase fluorometer is described. The phasemeter section has a resolution of 0.10, which corresponds to 2x10-11 sec at the modulation frequency used. The sensitivity to light is high, and is such that emissions many orders of magnitude weaker than that of fluoresceine in alkali can be measured. Several laboratory

fluorometers have been described for measuring fluorescence decay times in the 10-8 - 10-10 sec range, (Refs 1-5). The methods are based on measuring the

phase difference \emptyset between the emission and the The exponential decay constant $\boldsymbol{\gamma}$ is exciting light.

Card 1/8 related to Ø by

 $2\pi F\tau = \tan \emptyset$

· An Experimental Model of a Phase Fluorometer

In 1954 the where F is the modulation frequency. authors designed a phase fluorometer in which many sources of error were eliminated; a phase detector, and other devices to facilitate the measurements, were incorporated (Refs 6-8). The instrument described here has been designed on the basis of four years' experience with the 1954 instrument, and in certain respects differs considerably from that instrument. The instrument consists of two main parts, both of which are tuilt into the same console, namely the optical section and the phasemeter system (Fig 1). The apparatus includes units that supply the phasemeter, control the modulator, feed the amplifiers, etc. The optical system is fitted on a horizontal table and is divided into three sections closed by light-tight covers. The phasemeter system is installed in the vertical rear section; the stabilized supplies (rectifiers, etc) and the modulator unit are fitted in the base of the console. The resolution is about 0.1°. The minimum error of a single measurement of au for a bright emission (for low noise levels) is less than 2% (apart from systematic errors); the general

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An Experimental Model of a Phase Fluorometer

errors are

5% at $\tau = 10^{-9}$ to 10^{-8} sec: 10% at $\tau = 5.10^{-10}$ to 5.10^{-8} sec;

20% at $\tau = 2.5 \cdot 10^{-10}$ to 10^{-7} sec.

The high sensitivity to light enables one to use emissions that are 3-4 orders of magnitude weaker than the emission from a 10-4M solution of fluorscein in alkali. The error increases as the brightness The light source is a high-pressure mercury decreases. arc SVDSh-250 (Fig 2). A diffraction modulator is used to modulate the light flux, for which purpose we have used standing waves generated by a barium titanate plate, (Ref 9) in aqueous ethanol (17%). The plane of the exit slit can be projected in magnified form on a special fluorescent screen (Fig 2) during adjustments; the modulator can thereby be adjusted for visible or ultraviolet light. Instability caused by incorrect beamsplitting (Ref 10) is avoided by inserting filters separately in the two channels. The light entering the Card 3/8 sample channel (some 95% of the total output from the

An Experimental Model of a Phase Fluorometer

modulator) enters the middle section of the instrument and strikes either a scatterer or the specimen. scattered exciting light is used in setting-up; normally the fluorescence is recorded by a photomultiplier (FEU-18, FEU-19, FEU-22 or FEU-25), whose output feeds the specimen channel. The scatterer and the sample are fixed to a moving table. A filter is fitted between the sample and the multiplier to cut out the exciting light. The table is driven by a motor, and can turn or reciprocate. Twelve stops give positions where the table comes to rest. At each stop position a neutral filter is automatically inserted in the exciting beam. filters are used to match the intensities of the exciting and fluorescence beams roughly, in order to avoid amplitude-dependent phase errors caused by the photomultiplier (Ref 8). These neutral platinum filters are contained in a special holder, and any appropriate number of them can be introduced with the cover of the section closed. The filters are such as to give a maximum attenuation of about 104, and to match the intensities to about 20%. The phasemeter system is a symmetrical

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An Experimental Model of a Phase Fluorometer

two-channel one (Fig 3). The signals are amplified at two frequencies (436 and 25 kc/s). The system enables The signals are amplified at one to select the best operating frequency $(6.5\pm0.15 \text{ Mc/s})$ and to keep it constant within the stability of a quartz oscillator. To this end the frequency of a tunable oscillator ($F_1 = 4.018\pm0.150 \text{ Mc/s}$) is heterodyned with quartz oscillators ($F_2 = 2.5$ Mcps and $F_3 = 2.282 \text{ Mc/s}$) in two mixers. The output from one mixer (F1+F2) is fed to the modulator, whilst the output from the second mixer is doubled in frequency (because the light is modulated at a frequency double that of the supply voltage) and is fed to the first mixers in the two The first working frequency is thus 2(F2-F3), which does not depend on F_1 ; its stability is determined by the stabilities of F_2 and F_3 only. The second working frequency is correspondingly stable. Any change in phase at one of the inputs is accompanied by an equal change of phase difference at the outputs of the The quartz oscillators increase amplifying channels. the stability of the phase reading and of the calibration of the phase shifters (which work at 25 kc/s) without

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SOV/120-59-2-15/50

An Experimental Model of a Phase Fluorometer

substantially increasing the complexity. phase-shifters are used; the output voltage is not Bridge-type affected by changes in the phase shift. One channel has an uncalibrated phase-shifter with a total range of 3600 (it is used to set the zero on the exciting light); the other channel has three standard decade shifters, with steps of 100, 10 and 0.10 respectively. units provide a shift of 1800 in equal steps. These three shift cutout is fitted, to remove the shift introduced by these units. The cutout is operated manually or automatically when the zero is being set. can be measured repeatedly without disturbance to the In this way knobs on the phase-shifters; this improves the convenience and the accuracy. The automatic ga The automatic gain control keeps the signal level constant in parts of the circuit where amplitude-dependent phase errors are most likely (Ref 6). The AGC stages are designed not to produce parasitic phase shifts for input signals within the range 50 µv (threshold) to 50 mV, (Ref 8). control coefficient of the AGC system is about 5000. The manual gain control is used to prevent overloading

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SOV/120-59-2-15/50

An Experimental Model of a Phase Fluorometer

on bright emissions. Electronic voltmeters in the AGC circuits indicate the signal levels; these meters are used to equalize the signals in the two channels roughly. There are two output indicators, namely an oscilloscope and a phase-sensitive detector with a meter. oscilloscope is used only for rough measurements, and to indicate the noise level. The phase-sensitive detector is used as a null indicator. The time-constant and sensitivity of this detector are adjustable; the values are chosen in accordance with the noise level. So far as we are aware, this is the first fluorometer to have reached a finalized laboratory form. M.S. Gitman helped in building the apparatus and in D.N. Kaydinov and designing the phase-meter sections; to them we offer our thanks. We also wish to thank V.P. Kovalev, who did much to help in finalizing the phasemeter design. This is a complete translation, apart from Fig 3. There are 3 figures and 10 references, of which 2 are English, 1 is German and 7 are Soviet.

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Figure captions are: Fig 1, general view of the fluorometer. Fig 2, 1) SVDSh-250 lamp, 2) condenser

An Experimental Model of a Phase Fluorometer SOV/120-59-2-15/50 system, 3) entrance slit, 4) exit slit, 5) condenser lens, 6) exit lens, 7) modulation cell, 8) fluorescent screen, 9) mirror used to observe diffraction pattern, 10) filter to select exciting wavelength, 11) stop, 12) beam-splitter, 13) scatterer 14) photomyltiplica in channel II

13) scatterer, 14) photomultiplier in channel II, 15) scatterer or specimen, 16) photomultiplier in Card 8/8 channel I (sample), 17) moving stage, 18) filter,

19) lens, 20) set of neutral filters. ASSOCIATION: Gosudarstvennyy opticheskiy institut (State Optical Institute)

SUBMITTED: June 2, 1958

KARAZINA, S. A., Candidate of Biol Sci (diss) -- "The role of the orientation reaction in the process of developing electrocortical temporary connections in man". Moscow, 1959. 15 pp (First Moscow Order of Lenin Med Inst im I. M. Sechenov), 200 copies (KL, No 20, 1959, 110)

KARAZINA, S.A.

Electrocortical dynamic stereotype and the condition for its persistent manifestation. Dokl. AN SSSR 150 no.3:698-701 My '63. (MIRA 16:6)

1. TSentral'nyy institut usovershenstvovaniya vrachey.
Predstavleno akademikom A.N. Pakulevym.

(Electroencephalography)

(Stereotype(Psychology))

KARAZINA, S.A.

Conditions for the stabilization and extinction of electrocortical temporary connections. Dokl. AN SSSR 150 no.5:1174-1177 Je 163. (MIRA 16:8)

1. TSentral'nyy institut usovershenstvovaniya vrachey. Predstavleno akademikom A.N.Bakulevym. (CONDITIONED RESPONSE)

<u>1, 12814-63</u> BDS

ACCESSION NR: AP3003234

S/0020/63/150/006/1397/1400

AUTHOR: Karazina, S. A.

46

TITLE: Features of the appearance of the EEG activation reaction under the influence of light

SOURCE: AN SSSR. Doklady, v. 150, no. 6, 1963, 1397-1400

TOPIC TAGS: light-induced depression, cortical rhythm, electrocortical association

ABSTRACT: Light-induced depression of cortical rightm was studied in 3 series of experiments on 12 healthy adults. The EEG was recorded with monopolar leads from the temporal, parietal, and occipital regions. In each series, some 1000 stimuli, single or paired, were presented to each subject. In the first series, only light was presented for 3 seconds at varying intervals; in the second, the 3-second light stimulus was used to reinforce a conditioned (painful) stimulus; and in the third, it was used as a conditioned stimulus, with painful stimulation as the unconditioned stimulus. With light only, the duration of the activation reaction to each presentation of light was inconstant (undulating reaction curve), and it diminished with repetition of the stimulus,

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ACCESSION NR: AP3003234

disappearing almost completely after 750 presentations, increasing slightly thereafter, and then appearing in only 6% of the cases in the ninth experiment, and in only 3% in the 10th. When light was used as a reinforcer for the unconditioned stimulus (series 2), the reaction diminished with repetition but did not disappear altogether, and the same was true in series 3. Thus, light is suitable as a component of a conditioned-reflex pair for creating temporary electrocortical associations, but when used alone, the reaction developing on repetition is similar to that observed in extinction with reinforcement. This report was presented by Academician A. N. Bakulev, 30 Nov 62. Orig. art. has:

ASSOCIATION: none

SUBMITTED: 15Jun62

DATE ACQ: 24Ju163

ENCL: 00

SUB CODE: 00

NO REF SOV: 005

OTHER: 004

Cord 2/2

History of the Krasnokutak Park in Kharkov Province. Biul.
Glav. bot. sada no.39:25-32 '60. (MIRA 14:5)
(Krasnokutak District—Botanical gardens)

KARAZIYAYTE, L. P.

"The Problem of the Etiology and Pathogenesis of Suffocation of the Newborn." Cand Med Sci, Vil'ynus State U, Min Higher Education USSR, Vil'nyus, 1955. (KL, No 10, Mar 55)

SO: Sum. No. 670, 29 Sep 55--Survey of Scientific and Technical. Dissertations Defended at USSR Higher Educational Institutions (15)

AUTHOR: Tutsis; A. P. (Sucys, A); Vizbarayte; Ta. A.; Estativa, R.: I.; Savukinas, G. /
AUTHOR: Tutsis; A. P. (Sucys, A); Vizbarayte; Ta. A.; Estativa, R.: I.; Savukinas, G. /
A. To.; (Vizbaraite; J.); (Karazija, R.); (Savukynas, A.); Bandzaitis, A.

TITIE: Calculation of matrix elements of the electrostatic interaction operator for complex atoms

SOURCE: AN Litsen. Litovskiy fizicheskiy sbornik, v. 4, no. 2, 1964, 197-212

TOPIC TAGS: quantum muchanics, matrix, electron shell, electrostatic interaction, energy operator, quantum theory, wave function, Racah operator

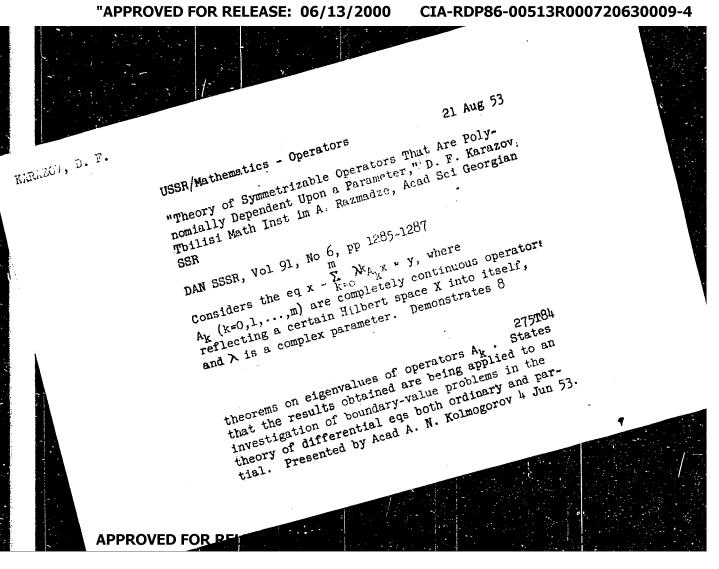
ABSTRACT: In recent years, the tabulation of the submatrix elements of operators has been carried out to an extent which permits operations with the shells of se, and the submatrix elements of operators has been carried out to an extent which permits operations with the shells of se, and the submatrix elements of operators has been carried out to an extent which permits operations with the shells of se, and the submatrix elements of operators has been carried out to an extent which permits operations with the shells of se, and the submatrix elements of operators has been carried out to an extent which permits operations with the shells of se, and the submatrix elements of a method for calculation of a method for calculations of a method for calculations.

ABSTRACT: In recent years, the tabulation of the submatrix elements of operators has been carried out to an extent which permits operations with the shells of 5-, p- and d-slectrons. This has stimulated the consideration of a method for calculation of the matrix elements of the operators. The present work is limited to the consideration of the expressions for the matrix elements of the electrostatic interaction operator for the case of complex configurations. For simplicity, the case of two either partially filled or almost completely filled shells is considered first. Then a method is developed for calculations in the case of any number of

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1, 30072-65 ACCESSION NR: AT5002009 unfilled shells; The erticle first reviews the information on the unil tensor operators as described in the work of Racab (Phys. Rev. 62, 438 (1942) Phys. Rev. 63, 367 (1943))) The explicit formulae are given for two unfilled electron shells. In the case of three of four unfilled shells more general formulae are given, which permit easy calculation of the explicit formulae. In the case of almost filled shells, the relationships between the submatrix elements of the additional shells are utilized. The formulae for the matrix elements contain the inj-coefficients for which the number of parameters does not exceed 6 (n = 2). Their use becomes very simple since the rables are available for 6) coefficients. Only, art, bas-57 equations. ASSOCIATION: Vil'nyusakiy Gosudarstvannyy universitet im, V. Kapsukasa (Vilnius state university); Institut (isik) i matematiki Akademi nauk Litovskov SSR (Physics and mathematics institute; Academy of Sciences, Lithuanian SSR) GP, NP SUB CODE: ENGLY 00 SUBMITIBL: 18Jul63 OTHER! A DOT NO BEF BOY: 012 Cord 2/2

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KARBA, A.; COP, S.

KARBA, A.; COP, S. Effect of speed and temperature of casting upon the quality of blocks.

Vol.6, No. 1, April, 1955 NOVA PROIZVODNJA

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KAVATAR, Anita, mr.s KROMAR, Jamez, mr.: NUCIC, C., Gr.: 75MV4, Mimica, mr.s; K4RBA, Dusan, mr.; BOHING, Pavla, mr.

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ABSTRACT (It was shown that cattle affiliated by Passiolimais but not by may other disease tracts to toberculin negatively. Incidences of demotiful intracutaneous reactions in normally fat cattle are explained by a non-specific increased reactivity of the skin. CARD:

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KARBAINOV, M.A.

USSR/Diseases of Farm Animals. Diseases Caused by Viruses and Rickettsiae.

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Abs Jour: Ref Zhur-Biol., No 5, 1958, 21593.

Author : Karbainov, M. A.

: Buryat-Mongolian Institute of Zoological and Veterinary Inst

Bciences.

: Morphological Changes in the Cervical Section of the Title

Vegetative Nervous System and in the Lungs of Pigs Vaccinated with Antiplague Crystal Violet Vaccine.

Orig Pub: Tr. Buryat-Mong. zoovet. in-ta, 1957, vyp. 11, 155-

159.

Abstract: One to three days after intramuscular inoculation of

immature pigs with 5-30 ml. of crystal-violet vaccine and erythrocrystal-violet glycerin vaccine into the

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USSR/Diseases of Farm Animals. Diseases Caused by Viruses and Rickettsiae.

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Abs Jour: Ref Zhur-Biol., No 5, 1958, 21593.

neck area, a retrogressive degeneration with central chromatelysis in the ganglion cells of the cervical section of the vegetative nervous system was observed. In the nerve fibers, argentophilia and swelling of neurofibril axis cylinders were noted. Four to eight days after the vaccination a part of the nerve fibers died, and fragmentation and disintegration of the axis cylinders of the vagus nerve took place. In almost all of the immature pigs pathomorphologic changes were present in the lungs (bronchitis and peribronchitis, as well as pneumonia), and their intensity was in direct proportion to the changes in the cervical section of the vegetative nervous system. In piglets who were vaccinated in the femoral area with the same vaccines, there was not

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Abs Jour: Ref Zhur-Biol., No 5, 1958, 21593.

even one case of inflammatory lung symptoms. Thus, the obtained data deem it advisable not to administer the vaccine into the neck area of pigs but into other parts of their body.

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KARBAINOV, Yu. T.; STRGABERG, A.G.

Increase in the sensitivity of the method of amalgam polarography with storage by the enlargement of the surface area of ammonium mercury amalgam at higher temperature in nonsqueous solutions.

Zhur. anal. khim. 20 no.8:769-774 165. (MIRA 18:10)

1. Torokly politakhnicheakly institut.

Po-l/Pr-l 1. 25649-65 BPF(0)/EVP(3)/EVT(a) S/0081/64/000/017/8072/8073 ACCESSION BR: ARSO0)707 SOURCE: Ref. kh. Khimiya, Abs. 178458 AUTHOR: Karbairov, Yu. A.; Stromberg, A. G. TITES Asstudy of the electrical conductivity of binary mixtures of silicon tetrachioride and sliphstic oxygen-containing compounds for the purpose of determining trace impurities in highly purified silicon tetrachloride CITED SOURCE: Dokl, 2-y Mazhvuz, konferentali po khimii organ, kompleksn. soyedinenty, 1963, Tomski Tomskiy in L. 1963 20 22 TOPIC TAGS: silicon tetrachiorile, silicon tetrachioride conductivity, silicoorganic complex; silicon tetrachioride; purity, complex formation, acetic acid; chloroacetic acid, propyl alcohol, electrical conductivity, anisol TRANSLATION: The authore studied the electrical conductivity X of binary mixtures of SiGla and pulphatic oxygen-containing compounds (acetic acid, chloroacetic acid, ethyl :hloroscatate, anisol, propyl alcohol and isopropyl alcohol) at acetic acid, ethyl :hloroscatate, anisol, propyl alcohol and isopropyl alcohol) at 180 in the concentration range of 0-30 mol. 7 SiClA. In addition, they studied the conductivity of the system SiClA - acetic acid - sodium acetate at various the conductivity of the system SiClA - acetic acid - sodium acetate at various Cori 1/2

